FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Hess Corporation

AUTHORIZING THE OPERATION OF

Seminole Gas Processing Plant
Natural Gas Liquids

LOCATED AT

Gaines County, Texas

Latitude 32° 45' 34" Longitude 102° 41' 56"

Regulated Entity Number: RN103758470

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O627 Issuance Date: _____

_____

For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible

Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

B. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

C. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

D. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

(ii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

6. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):

A. Title 40 CFR § 63.11111(e), for records of monthly throughput

B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

D. Title 40 CFR § 63.11115(a), for operation of the source

E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

F. Title 40 CFR § 63.11116(b), for records availability

G. Title 40 CFR § 63.11116(d), for portable gasoline containers

Additional Monitoring Requirements

7. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached "CAM Summary" upon issuance of the permit. In addition, the permit holder shall comply with the following:

A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).

B. The permit holder shall report, consistent with the averaging time identified in the "CAM Summary," deviations as defined by the deviation limit in the "CAM Summary." Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "CAM Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a

regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).

D. The permit holder shall operate the monitoring, identified in the attached "CAM Summary," in accordance with the provisions of 40 CFR § 64.7.

E. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

9. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

10. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability

requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

14. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

15. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.

A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

B. Any on site servicing, maintenance, and repair of fleet vehicle air conditioning using ozone-depleting refrigerants shall be conducted in accordance with 40 CFR Part 82, Subpart B. Permit holders shall ensure that repairs or refrigerant removal are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart B.

C. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Permit Location

16. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

17. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A "none" entry may be noted for some emission sources in this permit's "Applicable Requirements Summary" under the heading of "Monitoring and Testing Requirements" and/or "Recordkeeping Requirements" and/or "Reporting Requirements." Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
ACDGSENRCH	Fugitive Emission Units	N/A	STNDPRM54081	40 CFR Part 60, Subpart KKK	No changing attributes.
CSTFUG	Fugitive Emission Units	N/A	PRMRULE26726	40 CFR Part 60, Subpart KKK	No changing attributes.
E-2-1	Emission Points/Stationary Vents/Process Vents	N/A	511-16-003A	30 TAC Chapter 111, Visible Emissions	No changing attributes.
E-2-2	Emission Points/Stationary Vents/Process Vents	N/A	511-16-003B	30 TAC Chapter 111, Visible Emissions	No changing attributes.
E-2-3	Emission Points/Stationary Vents/Process Vents	N/A	511-16-003C	30 TAC Chapter 111, Visible Emissions	No changing attributes.
E-6	Incinerator	N/A	PERMREV8414	30 TAC Chapter 111, Incineration	No changing attributes.
ELITFUG	Fugitive Emission Units	N/A	PRMRULE106352	40 CFR Part 60, Subpart KKK	No changing attributes.
FL-1	Flares	N/A	PRMRULE56838	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-1	Flares	N/A	PRMRULE56838	40 CFR Part 60, Subpart A	No changing attributes.
GMKFUG	Fugitive Emission Units	N/A	PRMRULE28023	40 CFR Part 60, Subpart KKK	No changing attributes.
INLETURB	Stationary Turbines	E-1-1, E-1-2, E-1-3, E-1-4, E-1-5, E-1-6	60GG	40 CFR Part 60, Subpart GG	No changing attributes.
PRO-GASWEET	Gas Sweetening/Sulfur Recovery Units	N/A	PRM9235	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
REFRIGTURB	Stationary Turbines	E-2-1T, E-2-2T, E-2-3T	511-05-016	40 CFR Part 60, Subpart GG	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
ROZUNT	Fugitive Emission Units	N/A	60KKK	40 CFR Part 60, Subpart KKK	No changing attributes.
TRAIN 3	Fugitive Emission Units	N/A	PRMRULE54713	40 CFR Part 60, Subpart KKK	No changing attributes.
YATESFLR	Flares	N/A	60A	40 CFR Part 60, Subpart A	No changing attributes.
YATESFUG	Fugitive Emission Units	N/A	60KKK	40 CFR Part 60, Subpart KKK	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ACDGSENRCH	EU	STNDPRM54081	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(f)	Use this provision instead of §60.485(d)(1). Each component is presumed to be in VOC service or in wet gas service unless it is not. For a component to be considered not in VOC service, it must be determined that the % VOC content can never be expected to exceed 10.0 % by wt. For a component to be considered in wet gas service, it must be determined that it contains or contacts the field gas before the extraction step in the process. To determine VOC content use the procedures in §60.63.	§ 60.632(f)	§ 60.632(f)	None
ACDGSENRCH	EU	STNDPRM54081	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(a)(2) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-2(a)(1) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(f) § 60.486(k)				
ACDGSENRCH	EU	STNDPRM54081	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) [G]§ 60.633(b)(3)	Comply with the requirements for pressure relief devices in gas/vapor service as stated in §60.482-4 and 60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d) § 60.633(b)(1) § 60.633(b)(2) [G]§ 60.633(b)(3) [G]§ 60.633(b)(4)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) [G]§ 60.633(b)(4) [G]§ 60.635(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
ACDGSENRCH	EU	STNDPRM54081	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
ACDGSENRCH	EU	STNDPRM54081	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)		§ 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	
ACDGSENRCH	EU	STNDPRM54081	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
CSTFUG	EU	PRMRULE26726	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(f)	Use this provision instead of §60.485(d)(1). Each component is presumed to be in VOC service or in wet gas service unless it is not. For a component to be considered not in VOC service, it must be determined that the % VOC content can never be expected to exceed 10.0 % by wt. For a component to be considered in wet gas service, it must be determined that it contains or contacts the field gas before the	§ 60.632(f)	§ 60.632(f)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						extraction step in the process. To determine VOC content use the procedures in §60.63.			
CSTFUG	EU	PRMRULE26726	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) [G]§ 60.633(b)(3)	Comply with the requirements for pressure relief devices in gas/vapor service as stated in §60.482-4 and 60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d) § 60.633(b)(1) § 60.633(b)(2) [G]§ 60.633(b)(3) [G]§ 60.633(b)(4)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) [G]§ 60.633(b)(4) [G]§ 60.635(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
CSTFUG	EU	PRMRULE26726	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
CSTFUG	EU	PRMRULE26726	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)		§ 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.486(e) § 60.486(e)(1) § 60.486(j)	[G]§ 60.636
CSTFUG	EU	PRMRUL E26726	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.633(g)	Comply with the requirements for closed vent systems and control devices - flares - as stated in §60.482-10(d) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) [G]§ 60.485(g) § 60.632(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
CSTFUG	EU	PRMRUL E26726	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k)	Comply with the requirements for closed vent systems and control devices - closed vent systems - as stated in §60.482-10(g) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
E-2-1	EP	511-16-003A	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E-2-2	EP	511-16-003B	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
E-2-3	EP	511-16-003C	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
E-6	EU	PERMREV8414	PM (OPACITY)	30 TAC Chapter 111, Incineration	§ 111.121(6) § 111.129(1)	Incinerators burning 100 lb/hr or less of specified wastes are subject to an opacity limit of 5% averaged over a 6-minute period,§111.127(d), and §111.129(1) but are otherwise exempt from the specified provisions.	None	§ 111.127(d)	None
ELITFUG	EU	PRMRULE106352	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(f)	Use this provision instead of §60.485(d)(1). Each component is presumed to be in VOC service or in wet gas service unless it is not. For a component to be considered not in VOC service, it must be determined that the % VOC content can never be expected to exceed 10.0 % by wt. For a component to be considered in wet gas service, it must be determined that it contains or contacts the field gas before the extraction step in the process. To determine VOC content use the	§ 60.632(f)	§ 60.632(f)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						procedures in §60.63.			
ELITFUG	EU	PRMRUL E106352	VOC	40 CFR Part 60, Subpart KKK	§ 60.633(f)	Reciprocating compressors in wet gas service are exempt from the compressor control requirements of §60.482-3.	None	§ 60.486(j) § 60.635(c)	None
ELITFUG	EU	PRMRUL E106352	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) [G]§ 60.633(b)(3)	Comply with the requirements for pressure relief devices in gas/vapor service as stated in §60.482-4 and 60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d) § 60.633(b)(1) § 60.633(b)(2) [G]§ 60.633(b)(3) [G]§ 60.633(b)(4)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) [G]§ 60.633(b)(4) [G]§ 60.635(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
ELITFUG	EU	PRMRUL E106352	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ELITFUG	EU	PRMRUL E106352	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
ELITFUG	EU	PRMRUL E106352	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
ELITFUG	EU	PRMRUL E106352	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k)	Comply with the requirements for closed vent systems and control devices - flares - as stated in §60.482-10(d) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) [G]§ 60.485(g)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.633(g)		§ 60.632(d)		
ELITFUG	EU	PRMRUL E106352	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k)	Comply with the requirements for closed vent systems and control devices - closed vent systems - as stated in §60.482-10(g) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FL-1	EU	PRMRUL E56838	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-1	CD	PRMRUL E56838	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
GMKFUG	EU	PRMRUL E28023	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(f)	Use this provision instead of §60.485(d)(1). Each component is presumed to be in VOC service or in wet gas service unless it is not. For a component to be considered not in VOC service, it must be determined that the % VOC content can never be expected to exceed 10.0 % by wt. For a component to be considered	§ 60.632(f)	§ 60.632(f)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						in wet gas service, it must be determined that it contains or contacts the field gas before the extraction step in the process. To determine VOC content use the procedures in §60.63.			
GMKFUG	EU	PRMRULE28023	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(a)(2) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-2(a)(1) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
GMKFUG	EU	PRMRULE28023	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c)	Comply with the requirements for pressure relief devices in gas/vapor service as stated in §60.482-4 and 60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) [G]§ 60.633(b)(3)		§ 60.632(d) § 60.633(b)(1) § 60.633(b)(2) [G]§ 60.633(b)(3) [G]§ 60.633(b)(4)	[G]§ 60.633(b)(4) [G]§ 60.635(b)	
GMKFUG	EU	PRMRUL E28023	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for open-ended valves or lines as stated in §60.482-6 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
GMKFUG	EU	PRMRUL E28023	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.486(k)		[G]§ 60.633(h)		
GMKFUG	EU	PRMRULE28023	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
GMKFUG	EU	PRMRULE28023	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
GMKFUG	EU	PRMRULE28023	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d)	Comply with the requirements for closed vent systems and control devices - flares - as stated in §60.482-10(d) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-10(m) § 60.486(k) § 60.633(g)		§ 60.485(f) [G]§ 60.485(g) § 60.632(d)		
GMKFUG	EU	PRMRULE28023	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k)	Comply with the requirements for closed vent systems and control devices - closed vent systems - as stated in §60.482-10(g) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
INLETURB	EU	60GG	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) § 60.334(h)(4)	None	None
INLETURB	EU	60GG	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1)	None	None
PRO-GASWEET	EU	PRM9235	SO2	30 TAC Chapter 112, Sulfur Compounds	§ 112.7(a)	No person may cause, suffer, allow, or permit emissions of SO2 to exceed the emission limits specified for stack effluent flow rates < 4,000 scfm as determined by the specified equation.	§ 112.2(a) ** See CAM Summary	§ 112.2(c)	§ 112.2(b)
REFRIGTURB	EU	511-05-016	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by	§ 60.334(h) [G]§ 60.334(h)(3)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						weight.			
ROZUNT	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(f)	Use this provision instead of §60.485(d)(1). Each component is presumed to be in VOC service or in wet gas service unless it is not. For a component to be considered not in VOC service, it must be determined that the % VOC content can never be expected to exceed 10.0 % by wt. For a component to be considered in wet gas service, it must be determined that it contains or contacts the field gas before the extraction step in the process. To determine VOC content use the procedures in §60.63.	§ 60.632(f)	§ 60.632(f)	None
ROZUNT	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.633(f)	Reciprocating compressors in wet gas service are exempt from the compressor control requirements of §60.482-3.	None	§ 60.486(j) § 60.635(c)	None
ROZUNT	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) [G]§ 60.633(b)(3)	Comply with the requirements for pressure relief devices in gas/vapor service as stated in §60.482-4 and 60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d) § 60.633(b)(1) § 60.633(b)(2) [G]§ 60.633(b)(3) [G]§ 60.633(b)(4)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) [G]§ 60.633(b)(4) [G]§ 60.635(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
ROZUNT	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a)	Comply with the requirements for valves in gas/vapor service as	§ 60.482-1(f)(1) § 60.482-1(f)(2)	§ 60.482-1(g) [G]§ 60.486(a)	§ 60.487(a) [G]§ 60.487(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	[G]§ 60.487(c) § 60.487(e) [G]§ 60.636
ROZUNT	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
ROZUNT	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2)	Comply with the requirements for pressure relief devices in light liquid service as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)		§ 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.486(j)	
ROZUNT	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
ROZUNT	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.633(g)	Comply with the requirements for closed vent systems and control devices - flares - as stated in §60.482-10(d) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) [G]§ 60.485(g) § 60.632(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
ROZUNT	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i)	Comply with the requirements for closed vent systems and control devices - closed vent systems - as stated in §60.482-10(g) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k)				
TRAIN 3	EU	PRMRULE54713	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(f)	Use this provision instead of §60.485(d)(1). Each component is presumed to be in VOC service or in wet gas service unless it is not. For a component to be considered not in VOC service, it must be determined that the % VOC content can never be expected to exceed 10.0 % by wt. For a component to be considered in wet gas service, it must be determined that it contains or contacts the field gas before the extraction step in the process. To determine VOC content use the procedures in §60.63.	§ 60.632(f)	§ 60.632(f)	None
TRAIN 3	EU	PRMRULE54713	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(a)(2) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-2(a)(1) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)				
TRAIN 3	EU	PRMRULE54713	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) [G]§ 60.633(b)(3)	Comply with the requirements for pressure relief devices in gas/vapor service as stated in §60.482-4 and 60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d) § 60.633(b)(1) § 60.633(b)(2) [G]§ 60.633(b)(3) [G]§ 60.633(b)(4)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) [G]§ 60.633(b)(4) [G]§ 60.635(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
TRAIN 3	EU	PRMRULE54713	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TRAIN 3	EU	PRMRULE54713	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
TRAIN 3	EU	PRMRULE54713	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
TRAIN 3	EU	PRMRULE54713	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k)	Comply with the requirements for closed vent systems and control devices - flares - as stated in §60.482-10(d) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) [G]§ 60.485(g)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.633(g)		§ 60.632(d)		
TRAIN 3	EU	PRMRULE54713	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k)	Comply with the requirements for closed vent systems and control devices - closed vent systems - as stated in §60.482-10(g) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
YATESFLR	CD	60A	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
YATESFUG	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(f)	Use this provision instead of §60.485(d)(1). Each component is presumed to be in VOC service or in wet gas service unless it is not. For a component to be considered not in VOC service, it must be determined that the % VOC content can never be expected to exceed 10.0 % by wt. For a component to be considered in wet gas service, it must be determined that it contains or contacts the field gas before the extraction step in the process. To determine VOC content use the procedures in §60.63.	§ 60.632(f)	§ 60.632(f)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
YATESFUG	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.633(f)	Reciprocating compressors in wet gas service are exempt from the compressor control requirements of §60.482-3.	None	§ 60.486(j) § 60.635(c)	None
YATESFUG	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) [G]§ 60.633(b)(3)	Comply with the requirements for pressure relief devices in gas/vapor service as stated in §60.482-4 and 60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d) § 60.633(b)(1) § 60.633(b)(2) [G]§ 60.633(b)(3) [G]§ 60.633(b)(4)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) [G]§ 60.633(b)(4) [G]§ 60.635(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
YATESFUG	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
YATESFUG	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)		§ 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(e) [G]§ 60.636
YATESFUG	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.633(g)	Comply with the requirements for closed vent systems and control devices - flares - as stated in §60.482-10(d) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) [G]§ 60.485(g) § 60.632(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
YATESFUG	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k)	Comply with the requirements for closed vent systems and control devices - closed vent systems - as stated in §60.482-10(g) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: PRO-GASWEET	
Control Device ID No.: SRU+INCIN	Control Device Type: Sulfur Recovery Unit with Incinerator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: PRM9235
Pollutant: SO2	Main Standard: § 112.7(a)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: The minimum incinerator firebox temperature is 1300F.	
CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of reading; or ± 2.5 degrees Celsius.	

CAM Summary

Unit/Group/Process Information	
ID No.: PRO-GASWEET	
Control Device ID No.: SRU+INCIN	Control Device Type: Sulfur Recovery Unit with Incinerator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: PRM9235
Pollutant: SO2	Main Standard: § 112.7(a)
Monitoring Information	
Indicator: SO2 Mass Emissions in Pounds per Hour	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: The maximum SO2 emission rate is 300 pounds per hour.	
CAM Text: Use a continuous emission monitoring system (CEMS) to measure and record the mass emissions rate of sulfur dioxide expressed in pounds per hour in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E-2-1	
Control Device ID No.: N/A	Control Device Type: Unknown CD Type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 511-16-003A
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It is a deviation if an alternate fuel is fired, either alone or in combination with the specified gas.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E-2-2	
Control Device ID No.: N/A	Control Device Type: Unknown CD Type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 511-16-003B
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It is a deviation if an alternate fuel is fired, either alone or in combination with the specified gas.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E-2-3	
Control Device ID No.: N/A	Control Device Type: Unknown CD Type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 511-16-003C
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It is a deviation if an alternate fuel is fired, either alone or in combination with the specified gas.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
BLR AUX	N/A	40 CFR Part 60, Subpart D	Heat input rate is less than 250 MMBTU/Hour.
BLR AUX	N/A	40 CFR Part 60, Subpart Db	Unit was constructed prior to 6/19/84.
CLNGTWR	N/A	40 CFR Part 63, Subpart Q	No chromium has been used after 9/8/94.
E-7-A	N/A	40 CFR Part 60, Subpart Ka	Tank storage capacity is less than 40,000 gallons.
E-7-B	N/A	40 CFR Part 60, Subpart Ka	Tank storage capacity is less than 40,000 gallons.
E-7-C	N/A	40 CFR Part 60, Subpart Ka	Tank storage capacity is less than 40,000 gallons.
E-7-D	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity is less than 10,600 gallons.
E-7-E	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity is less than 10,600 gallons.
E-8	N/A	40 CFR Part 60, Subpart Kb	Tank storage capacity > 10,600 gallons but < 19,800 gallons storing a liquid with a maximum true vapor pressure less than 15.0 kPa.
FL-1	N/A	40 CFR Part 63, Subpart A	Facility is not a major source of hazardous air pollutants.
FL-2	N/A	30 TAC Chapter 111, Visible Emissions	Flare is only used for emergency situations.
FL-2	N/A	40 CFR Part 60, Subpart A	No NSPS streams directed to this flare.
FL-2	N/A	40 CFR Part 63, Subpart A	Facility is not a major source of hazardous air pollutants.
FUG 1050	N/A	40 CFR Part 60, Subpart KKK	Commenced construction before 1/20/84.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FUG-1	N/A	40 CFR Part 60, Subpart KKK	Commenced construction before 1/20/84.
PRO-GASWEET	N/A	40 CFR Part 60, Subpart LLL	Commenced construction before 1/20/84.
REFDCTBRN	E-2-1B, E-2-2B, E-2-3B	40 CFR Part 60, Subpart D	Heat input rate is less than 250 MMBTU/Hour.
REFDCTBRN	E-2-1B, E-2-2B, E-2-3B	40 CFR Part 60, Subpart Db	Unit was constructed prior to 6/19/84.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX328M3	Issuance Date: 07/03/1990
PSD Permit No.: PSDTX485M1	Issuance Date: 04/06/2009
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 8414	Issuance Date: 03/25/2008
Authorization No.: 9235	Issuance Date: 04/06/2009
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 03/14/1997
Number: 106.371	Version No./Date: 03/14/1997
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 106.492	Version No./Date: 03/14/1997
Number: 106.492	Version No./Date: 09/04/2000
Number: 6	Version No./Date: 05/04/1994
Number: 66	Version No./Date: 05/04/1994

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ACDGSENRCH	ACID GAS ENRICHMENT UNIT	8414
BLR AUX	AUXILIARY BOILER	8414, PSDTX328M3
CLNGTWR	PLANT COOLING TOWER	106.371/03/14/1997
CSTFUG	CAUSTIC WASH SYSTEM FUGITIVE VOC	66/05/04/1994
E-1-1	INLET & TREATED GAS COMPRESSOR “A”	8414, PSDTX328M3
E-1-2	INLET & TREATED GAS COMPRESSOR “B”	8414, PSDTX328M3
E-1-3	INLET & TREATED GAS COMPRESSOR “C”	8414, PSDTX328M3
E-1-4	INLET & TREATED GAS COMPRESSOR “D”	8414, PSDTX328M3
E-1-5	INLET & TREATED GAS COMPRESSOR “E”	8414, PSDTX328M3
E-1-6	INLET & TREATED GAS COMPRESSOR “F”	8414, PSDTX328M3
E-2-1B	REFRIGERATION COMPRESSOR “A” DUCT BURNER	8414, PSDTX328M3
E-2-1	REFRIG. COMPRESSOR STACK “A”	8414, PSDTX328M3
E-2-1T	REFRIGERATION COMPRESSOR “A” TURBINE	8414, PSDTX328M3
E-2-2B	REF. COMP. “B” DUCT BURNER	8414, PSDTX328M3
E-2-2	REFRIG. COMPRESSOR STACK “B”	8414, PSDTX328M3
E-2-2T	REF. COMP. “B” TURBINE	8414, PSDTX328M3
E-2-3B	REF. COMP. “C” DUCT BURNER	8414, PSDTX328M3
E-2-3	REFRIG. COMPRESSOR STACK “C”	8414, PSDTX328M3

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
E-2-3T	REF. COMP. "C" TURBINE	8414, PSDTX328M3
E-6	DRUM MOUNTED INCINERATOR	8414, PSDTX328M3
E-7-A	BULK DIESEL FUEL STORAGE TANK	106.473/03/14/1997
E-7-B	DIESEL FUEL DAY STORAGE TANK	106.473/03/14/1997
E-7-C	DIESEL FUEL DAY STORAGE TANK	106.473/03/14/1997
E-7-D	VEHICLE DIESEL FUEL STORAGE TANK	106.473/03/14/1997
E-7-E	VEHICLE GASOLINE FUEL STORAGE TANK	106.473/03/14/1997
E-8	METHANOL STORAGE TANK	106.473/03/14/1997
ELITFUG	ELEC. INLET COMP. PIPING FUGITIVE VOC	66/05/04/1994
FL-1	PLANT FLARE	8414, PSDTX328M3
FL-2	FIELD EMERGENCY FLARE	106.492/03/14/1997
FUG 1050	PIPING RACK	8414, PSDTX328M3
FUG-1	PLANT FUGITIVES	8414, PSDTX328M3
GMKFUG	SLUG CATCHER PIPING FUGITIVE VOC	6/05/04/1994
PRO-GASWEET	NATURAL GAS LIQUIDS SWEETENING UNIT	9235, PSDTX485M1
ROZUNT	RESIDUAL OIL ZONE (ROZ) UNIT EMISSIONS	106.352/03/14/1997
TRAIN 3	TRAIN 3 CO2 RECOVERY UNIT	106.261/09/04/2000, 106.262/09/04/2000
YATESFLR	YATES FUEL SKID EMERGENCY FLARE	106.492/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
YATESFUG	YATES FUEL SKID VOC EMISSIONS	106.352/03/14/1997

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
COMS ..... continuous opacity monitoring system
CVS ..... closed-vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
DR ..... Designated Representative
ElP ..... El Paso (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
GF ..... grandfathered
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MMBtu/hr ..... Million British thermal units per hour
MRRT ..... monitoring, recordkeeping, reporting, and testing
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PM ..... particulate matter
ppmv ..... parts per million by volume
PSD ..... prevention of significant deterioration
RO ..... Responsible Official
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Number: 8414			Issuance Date: 12/20/2006				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
E-1-1	Inlet/Treated Gas	NOx	19.10	79.20	3, 13	7, 8, 15, 17	3, 5, 13
	Compressor	CO	19.90	91.40	3, 13	7, 8, 15, 17	3, 5, 13
	Allison 501-KC5 (5)	VOC	0.50	2.20	3, 13	7, 8, 15, 17	3, 5, 13
		PM	0.30	1.31	3, 13	7, 8, 15, 17	3, 5, 13
		SO2	0.15	0.66	3, 13	7, 8, 15, 17	3, 5, 13
E-1-2	Inlet/Treated Gas	NOx	19.10	79.20	3, 13	7, 8, 15, 17	3, 5, 13
	Compressor	CO	19.90	91.40	3, 13	7, 8, 15, 17	3, 5, 13
	Allison 501-KC5 (5)	VOC	0.50	2.20	3, 13	7, 8, 15, 17	3, 5, 13
		PM	0.30	1.31	3, 13	7, 8, 15, 17	3, 5, 13
		SO2	0.15	0.66	3, 13	7, 8, 15, 17	3, 5, 13
E-1-3	Inlet/Treated Gas	NOx	19.10	79.20	3, 13	7, 8, 15, 17	3, 5, 13
	Compressor	CO	19.90	91.40	3, 13	7, 8, 15, 17	3, 5, 13
	Allison 501-KC5 (5)	VOC	0.50	2.20	3, 13	7, 8, 15, 17	3, 5, 13
		PM	0.30	1.31	3, 13	7, 8, 15, 17	3, 5, 13
		SO2	0.15	0.66	3, 13	7, 8, 15, 17	3, 5, 13

Major NSR Summary Table

Permit Number: 8414			Issuance Date: 12/20/2006				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
E-1-4	Inlet/Treated Gas	NOx	19.10	79.20	3, 13	7, 8, 15, 17	3, 5, 13
	Compressor	CO	19.90	91.40	3, 13	7, 8, 15, 17	3, 5, 13
	Allison 501-KC5 (5)	VOC	0.50	2.20	3, 13	7, 8, 15, 17	3, 5, 13
		PM	0.30	1.31	3, 13	7, 8, 15, 17	3, 5, 13
		SO2	0.15	0.66	3, 13	7, 8, 15, & 17	3, 5, 13
E-1-5	Inlet/Treated Gas	NOx	19.10	79.20	3, 13	7, 8, 15, 17	3, 5, 13
	Compressor	CO	19.90	91.40	3, 13	7, 8, 15, 17	3, 5, 13
	Allison 501-KC5 (5)	VOC	0.50	2.20	3, 13	7, 8, 15, 17	3, 5, 13
		PM	0.30	1.31	3, 13	7, 8, 15, 17	3, 5, 13
		SO2	0.15	0.66	3, 13	7, 8, 15, 17	3, 5, 13
E-1-6	Inlet/Treated Gas	NOx	19.10	79.20	3, 13	7, 8, 15, 17	3, 5, 13
	Compressor	CO	19.90	91.40	3, 13	7, 8, 15 17	3, 5, 13
	Allison 501-KC5 (5)	VOC	0.50	2.20	3, 13	7, 8, 15, 17	3, 5, 13
		PM	0.30	1.31	3, 13	7, 8, 15, 17	3, 5, 13
		SO2	0.15	0.66	3, 13	7, 8, 15, 17	3, 5, 13

Major NSR Summary Table

Permit Number: 8414			Issuance Date: 12/20/2006				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
E-2-1	Refrigeration	NOx	71.80	286.30	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Compressor A -	CO	55.30	293.30	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Turbine with	VOC	0.90	6.10	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Supplemental	PM	1.75	6.98	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Duct Burner (5) & (6)	SO2	0.63	2.70	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
E-2-2	Refrigeration	NOx	71.80	286.30	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Compressor B -	CO	55.30	293.30	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Turbine with	VOC	0.90	6.10	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Supplemental	PM	1.75	6.98	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Duct Burner (5) & (6)	SO2	0.63	2.70	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
E-2-3	Refrigeration	NOx	71.80	286.30	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Compressor C -	CO	55.30	293.30	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Turbine with	VOC	0.90	6.10	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Supplemental	PM	1.75	6.98	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16
	Duct Burner (5) & (6)	SO2	0.63	2.70	3, 13, 16	7, 8, 15, 16, 17	3, 5, 6, 13, 16

Major NSR Summary Table

Permit Number: 8414			Issuance Date: 12/20/2006				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
E-3	Auxiliary Boiler (7)	NOx	7.00	18.00		17	6, 17
	65.5 MMBTU/hr	CO	11.00	22.00		17	6, 17
		VOC	0.60	1.30		17	6, 17
		PM	0.49	1.34		17	6, 17
		SO2	0.04	0.11		17	6, 17
EMERFLARE	Plant Flare Pilot (8)	NOx	0.05	0.24	3, 14	3, 14, 15, 17	3, 14
		CO	0.46	2.02	3, 14	3, 14, 15, 17	3, 14
		VOC	0.04	0.19	3, 14	3, 14, 15, 17	3, 14
EMERFLARE	Plant Flare (9)	NOx	1.31	0.32	3, 14	3, 14, 15, 17	3, 14
		CO	11.26	2.77	3, 14	3, 14, 15, 17	3, 14
		VOC	9.01	2.19	3, 14	3, 14, 15, 17	3, 14
		SO2	94.11	23.15	3, 14	3, 14, 15, 17	3, 14
		H2S	0.98	0.24	3, 14	3, 14, 15, 17	3, 14

Major NSR Summary Table

Permit Number: 8414			Issuance Date: 12/20/2006				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FL-1	Plant Flare Pilot (8)	NOx	0.01	0.05	3, 14, 15	3, 14, 15, 17	3, 14, 15
		CO	0.09	0.40	3, 14, 15	3, 14, 15, 17	3, 14, 15
		VOC	0.01	0.04	3, 14, 15	3, 14, 15, 17	3, 14, 15
FUG1	Plant Piping Fugitives (4)	VOC (10)	4.42	19.34	3, 10	3, 10, 11	3
		VOC (11)	25.52	111.74	3, 10	3, 10, 11	3
		H2S	0.73	3.20	13	13	
E-6	Drum Mounted	PM	0.15	0.10	20, 21, 22, 24	20, 25, 26	25, 26
	Incinerator	VOC	0.07	0.10	20, 21, 22, 24	20, 25, 26	25, 26
		CO	0.35	0.10	20, 21, 22, 24	20, 25, 26	25, 26

Footnotes:

(1) Emission point identification – either specific equipment designation or emission point from plot plan

(2) Specific point source names. For fugitive sources use area name or fugitive source name

(3) CO-carbon monoxide, H2S – hydrogen sulfide, NOx – total oxides of nitrogen, PM – particulate matter, suspended in atmosphere, including PM10, PM10 – particulate matter equal to or less than 10 microns in diameter, where PM is not listed, it shall be assumed no PM greater than 10 microns is emitted, SO2 – sulfur dioxide, VOC – volatile organic compound as defined in Title 30 Texas Administrative Code 101.1

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Turbine lb/hr limits are based on worst conditions (100 F ambient) and ton per year (tpy) limits are based on average conditions (60 F ambient).

(6) Duct Burner lb/hr limits are based on maximum firing rate of 84.7 MMBTU/hr and ton per year (tpy) limits are based on firing rate of 63.3 MMBTU/hr.

(7) Auxiliary boiler limits are based on manufacturer's data.

(8) Pilot gas emissions only.

(9) Emissions from maintenance, start-up and shutdown (MSS) activities as authorized in Special Condition No. 15. Authorized are only emissions associated with burning inlet gas when MSS occurs.

Major NSR Summary Table

Permit Number: 9235 & PSD-TX-485M1				Issuance Date: 01/20/2009			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY** (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
E4-A	Tail Gas Incinerator	CO	200.0	876.0	7, 8, 12	7,8, 10, 11, 12	7, 10
	Sulfur Recovery Unit No. 1	H2S	0.6	2.6	3, 7, 8, 12	3, 7, 8, 10, 11, 12	7, 9, 10
		NOx	1.5	6.6	7, 8, 12	7, 8, 10, 11, 12	7, 10
		PM/PM10	1.0	4.4	7, 8, 12	7, 8, 10, 11, 12	7, 10
		SO2	300.0	508.0	3, 7 , 8, 10, 12	3, 7, 8, 10, 11, 12	7, 9, 10
		VOC	0.3	1.3	3, 7, 8, 12	3, 7, 8, 10, 11, 12	7, 10
E4-B	Tail Gas Incinerator	CO	200.0	876.0	7, 8, 12	7, 8, 10, 11, 12	7, 10
	Sulfur Recovery Unit No. 1	H2S	0.6	2.6	3, 7, 8, 12	3, 7, 8, 10, 11, 12	7, 9, 10
		NOx	1.5	6.6	7, 8, 12	7, 8, 10, 11, 12	7, 10
		PM/PM10	1.0	4.4	7, 8, 12	7, 8, 10, 11, 12	7, 10
		SO2	300.0	508.0	3, 7 , 8, 10, 12	3, 7, 8, 10, 11, 12	7, 9, 10
		VOC	0.3	1.3	3, 7, 8, 12	3, 7, 8, 10, 11, 12	7, 10

Major NSR Summary Table

Permit Number: 9235 & PSD-TX-485M1			Issuance Date: 01/20/2009				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY** (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
E5-A	Train #1 Sulfur Storage Pit	H2S	1.12	4.91	7	11	7
E5-B	Train #1 Sulfur Storage Pit	H2S	1.12	4.91	7	11	7

Footnotes:

(1) Emission point identification – either specific equipment designation or emission point from plot plan

(2) Specific point source names. For fugitive sources use area name or fugitive source name

(3) CO-carbon monoxide, H2S – hydrogen sulfide, NOx – total oxides of nitrogen, PM – particulate matter, suspended in atmosphere, including PM10, PM10 – particulate matter equal to or less than 10 microns in diameter, where PM is not listed, it shall be assumed no PM greater than 10 microns is emitted, SO2 – sulfur dioxide, VOC – volatile organic compound as defined in Title 30 Texas Administrative Code 101.1

(4) CO and SO2 are subject to PSD-TX-485M1

Major NSR Summary Table

Permit Number: PSD-TX-328M-3				Issuance Date: 07/03/1990			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
E-1-1	Inlet/Treated Gas	NOx	19.10	79.20	2	4, 5, 8, 9	2, 8
	Compressor	CO	19.90	91.40	2	4, 5, 8, 9	2, 8
	Allison 501-KC5 (4)						
E-1-2	Inlet/Treated Gas	NOx	19.10	79.20	2	4, 5, 8, 9	2, 8
	Compressor	CO	19.90	91.40	2	4, 5, 8, 9	2, 8
	Allison 501-KC5 (4)						
E-1-3	Inlet/Treated Gas	NOx	19.10	79.20	2	4, 5, 8, 9	2, 8
	Compressor	CO	19.90	91.40	2	4, 5, 8, 9	2, 8
	Allison 501-KC5 (4)						
E-1-4	Inlet/Treated Gas	NOx	19.10	79.20	2	4, 5, 8, 9	2, 8
	Compressor	CO	19.90	91.40	2	4, 5, 8, 9	2, 8
	Allison 501-KC5 (4)						

Major NSR Summary Table

Permit Number: PSD-TX-328M-3			Issuance Date: 07/03/1990				
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates ***		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY****	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
E-1-5	Inlet/Treated Gas	NOx	19.10	79.20	2	4, 5, 8, 9	2, 8
	Compressor	CO	19.90	91.40	2	4, 5, 8, 9	2, 8
	Allison 501-KC5 (4)						
E-1-6	Inlet/Treated Gas	NOx	19.10	79.20	2	4, 5, 8, 9	2, 8
	Compressor	CO	19.90	91.40	2	4, 5, 8, 9	2, 8
	Allison 501-KC5 (4)						
E-2-1	Refrigeration	NOx	61.60	253.00	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Compressor Rolls	CO	52.20	283.00	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Royce Avon Model 1535 (4)						
E-2-2	Refrigeration	NOx	61.60	253.00	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Compressor Rolls	CO	52.20	283.00	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Royce Avon Model 1535 (4)						
E-2-3	Refrigeration	NOx	61.60	253.00	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Compressor Rolls	CO	52.20	283.00	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Royce Avon Model 1535 (4)						

Major NSR Summary Table

Permit Number: PSD-TX-328M-3			Issuance Date: 07/03/1990				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
E-2-1	Refrigeration	NOx	10.20	33.30	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Compressor	CO	3.10	10.30	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Duct Burner (5)						
E-2-2	Refrigeration	NOx	10.20	33.30	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Compressor	CO	3.10	10.30	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Duct Burner (5)						
E-2-3	Refrigeration	NOx	10.20	33.30	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Compressor	CO	3.10	10.30	2, 7	4, 5, 7, 8, 9	2, 7, 8
	Duct Burner (5)						
E-3	Auxiliary Boiler (6)	NOx	7.00	18.00		9	
	65.5 MMBTU/hr	CO	11.00	22.00		9	

Footnotes:

(1) Emission point identification – either specific equipment designation or emission point number from plot plan.

(2) Specific point source name.

(3) NOx – total oxides of nitrogen. CO – carbon monoxide

(4) Turbine lb/hr limits are based on worst conditions (100 F ambient) and ton per year (tpy) limits are based on average conditions (60 F ambient).

(5) Duct Burner lb/hr limits are based on maximum firing rate of 84.7 MMBTU/hr and ton per year (tpy) limits are based on firing rate of 63.3 MMBTU/hr.

(6) Auxiliary boiler limits are based on manufacturer's data.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT

A PERMIT IS HEREBY ISSUED TO

Amerada Hess Corporation

AUTHORIZING THE CONTINUED OPERATION OF

Seminole Gas Processing Plant

LOCATED AT **Houston, Gaines County, Texas**

LATITUDE 32° 45′ 34″ LONGITUDE 102° 41′ 56″

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operatic procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder fir makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 3 Texas Administrative Code § 116.116 (30 TAC § 116.116)]

2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction fi more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before th extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. Or additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commissio the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the perm holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least10 percent of the estimated total cost of the project up to maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions subsection (b)(2) of this section. [30 TAC § 116.120(a), (b) and (c)]

3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regiona office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]

4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manne that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased constructio which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify to the Offic of Permitting, Remediation, and Registration the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mas Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]

5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain th proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of th commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent samplin consultant. [30 TAC § 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testin methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and mus be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]

7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with th permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, record shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission c any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; an retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attache to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)]

9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in goo working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance wit §§ 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdow Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.115(b)(2)(G)]

10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federa rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstratec Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to th emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]

11. This permit may be appealed pursuant to 30 TAC § 50.139.

12. This permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]

13. There may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than th requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]

14. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in TCAA § 382.003(3) or violate TCAA § 382.085, as codified in th Texas Health and Safety Code. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures a necessary to control or prevent the condition or violation.

PERMIT 8414

Date: December 20, 2006

Executive Director
Texas Commission on Environmental Quality

SPECIAL CONDITIONS

Permit Number 8414

EMISSION STANDARDS

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating requirements specified in the special conditions.

2. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the maximum allowable emission rates table (MAERT). Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions.

FEDERAL APPLICABILITY

3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources promulgated for Stationary Gas Turbines and Equipment Leaks of VOC from Onshore Natural Gas Processing Plants in Title 40 Code of Federal Regulations (40 CFR) Part 60, Subparts A, GG, and KKK.

4. These facilities shall comply with all applicable requirements of EPA regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories promulgated for Oil and Natural Gas Production Facilities in 40 CFR Part 63, Subparts A and HH.

OPERATIONAL LIMITATIONS

5. Normal emission rates of nitrogen oxides (NO_x), carbon monoxide (CO), and VOC from six inlet treated Gas Compressor Turbines and three Refrigeration Compressor Turbines (Emission Point Nos. [EPNs] E-1-1 through E-1-6 and E-2-1 through E-3-3) at full speed and load shall be reported on a dry basis in brake specific units of grams per horsepower-hour (g/hp-hr) and in units of pounds per hour (lbs/hr) and are limited as follows:

Air Contaminant	Emission Rate Limit
NO_x	2.41 g/hp-hr
CO	2.51 g/hp-hr
VOC	2.00 g/hp-hr

6. Emissions of NO_x from the refrigeration turbine duct burners and auxiliary boiler shall not exceed 0.12 lb/MMBTU of heat input. Turbine supplemental duct burner and auxiliary boiler firing will be calculated based on the gross heating value of the natural gas. The duct burner is limited by the 85,000 lb/hr of steam capacity of the waste heat recovery boiler.

7. Fuel-fired in the gas turbines and duct burners is limited to pipeline-quality natural gas containing no more than 0.25 grain total sulfur per 100 dry standard cubic foot.

8. Emission from the turbines and duct burners shall not exceed 5 percent opacity as determined by EPA Reference Method 9.

9. All acid gas or other waste gas from this facility must be processed in a sulfur recovery plant, flare or incinerator approved by the Texas Commission on Environmental Quality (TCEQ) Executive Director. It is not permissible under any conditions to vent the waste gas directly to the atmosphere.

10. Piping, Valves, Connectors, Pumps, and Compressors in VOC Service - 28VHP

    Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment:

    A. These conditions shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 pound per square inch, absolute (psia) at 68°For (2) to piping and valves two inches nominal size and smaller or (3) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list to be made available upon request.

    B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute, American Petroleum Institute, American Society of Mechanical Engineers, or equivalent codes.

    C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical.

D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Non-accessible valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made available upon request.

E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. No later than the next scheduled quarterly monitoring after initial installation or replacement, all new or reworked connections shall be gas-tested or hydraulically-tested at no less than normal operating pressure and adjustments made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed.

F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

An approved gas analyzer shall conform to requirements listed in 40 CFR § 60.485(a)-(b).

Replacements for leaking components shall be re-monitored within 15 days of being placed back into VOC service.

G. Except as may be provided for in the special conditions of this permit, all pump and compressor seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent

control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

H. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump and compressor seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired.

I. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. At the discretion of the TCEQ Executive Director or designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.

J. The results of the required fugitive instrument monitoring and maintenance program shall be made available to the TCEQ Executive Director or designated representative upon request. Records shall indicate appropriate dates, test methods, instrument readings, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of physical inspections are not required unless a leak is detected.

K. Alternative monitoring frequency schedules of 30 TAC §§ 115.352 - 115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items F through G of this condition.

L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standards, or an applicable National Emission Standard for Hazardous Air Pollutants and does not constitute approval of alternative standards for these regulations.

11. Components in pipeline quality sweet natural gas lines or process streams that contain less than 1 weight percent of VOC, the weighted average Effects Screening Level (ESL) of VOC is greater than 3,500 ug/m^3, and the uncontrolled emissions are less than 1 ton per year (tpy) at any one location are exempt from the monitoring requirements specified in Special Condition No. 10. The weighted average ESL for process steams with multiple VOC species shall be determined in the following manner:
where:

n = total number of VOC species in process stream;

ESL_n = the ESL in µg/m^3 for the constituent being evaluated (published in the most recent edition of the list of ESLs by TARA); and

f_n = the weight fraction of the appropriate VOC species in relation to all other VOC in process stream.

12. Reserved **(03/08)**

13. Piping, Valves, Pumps, and Compressors in Hydrogen Sulfide (H_2S) Service

A. Audio, olfactory, and visual checks for H_2S leaks within the operating area shall be made every four hours.

B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take the following actions:

(1) Isolate the leak.

(2) Commence repair or replacement of the leaking component.

(3) Use a leak collection/containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.

Date and time of each inspection shall be noted in the operator's log or equivalent. Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available to representatives of the TCEQ upon request.

14. Flares (EPNs EMERFLARE and FLR-1) shall be designed and operated in accordance with the following requirements:

$$ESL_X = \frac{1}{f_a/ESL_a + f_b/ESL_b + f_c/ESL_c + \ldots\ldots + f_n/ESL_n}$$

A. The flare system shall be designed such that the combined assist natural gas and waste stream meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity under normal, upset, and maintenance flow conditions.

The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR § 60.18(f) may be requested by the appropriate TCEQ Regional Office to demonstrate compliance with these requirements.

B. The flares shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flames shall be continuously monitored using infrared monitors or thermocouples and a camera. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to (and shall be calibrated at) a frequency in accordance with the manufacturer's specifications.

C. The flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. This shall be ensured by the use of steam or air assist to the flare, as appropriate.

D. The permit holder shall maintain a continuous flow monitor that provides a record of the vent stream flow to the Field Flare (EPN FL-1). The flow monitor sensor points shall be installed in the vent stream as near as possible to the flare inlet such that the total vent stream to the flare is measured. The Emergency Flare (EPN EMERFLARE) shall be equipped with a continuous flow monitor such that the total vent stream to the flare is measured. Flow readings shall be taken at least once every 15 minutes and the average hourly values of the flows shall be recorded each hour. The flow monitors shall operate as required by this section at least 95 percent of the time when the flares are operational, averaged over a 12-month period. **(03/08)**

The flow monitors shall be calibrated on an annual basis in accordance with the manufacturer's instructions or other written procedures to meet the accuracy specification of ±5.0 percent.

E. The net heating value of the gas combusted in the flares shall be calculated according to the equation given in 40 CFR § 60.18(f)(3) as amended through October 17, 2000, (65 FR 61744), and reported in each flares source testing report. Actual exit velocity determined in accordance with 40 CFR §60.18(f)(4) shall be recorded at least every 15 minutes using the flares gas net heating value from the most recent flare header test results.

15. This permit authorizes emissions from burning the plant site inlet gas in the Plant Flare (EPN EMERFLARE) during the following planned maintenance, start-up, and shutdown (MSS) activities:

- Compressor internal seal replacements that shall be limited to 120 hours in a rolling 12-month period for all compressors;
- Turbine exchanges that shall be limited to 24 hours in a rolling 12-month period for all turbines;
- Turbine bore scope inspections that shall be limited to 144 hours in a rolling 12-month period for all turbines;
- Turbine water washing that shall be limited to 72 hours in a rolling 12-month period for all turbines;
- Turbine lube oil pump inspections that shall be limited to 36 hours in a rolling 12-month period for all turbines;
- Waste heat boiler inspections that shall be limited to 96 hours in a rolling 12-month period; and
- Inlet gas flared as a result of these MSS activities shall be limited to 42,000,000 standard cubic feet in a rolling 12-month period.

The permit holder shall maintain records of the listed activities above in order to show compliance. These activities shall be recorded and the rolling 12-month emissions shall be updated on a monthly basis. These records at a minimum should include the following: **(03/08)**

A. The date and time of the activity and its duration,

B. The cumulative hours of each of these activities on a 12-month basis, and

C. The number of standard cubic feet of inlet gas flared during these activities.

CONTINUOUS DETERMINATION OF COMPLIANCE

16. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the three Refrigeration Compressor Turbines with duct burners (EPNs E-2-1, E-2-2, and E-2-3) to demonstrate compliance with the MAERT. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operation at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and the EPA Reference Methods. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Permitting, Remediation, and Registration, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for 40 CFR Part 60 testing which must have EPA approval shall be submitted to the TCEQ OCE, Compliance Support Division.

A. The TCEQ Regional Office in Midland shall be notified not less than 45 days prior to sampling. The notice shall include:

(1) Proposed date for pretest meeting.

(2) Date sampling will occur.

(3) Name of firm conducting sampling.

(4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.

(6) Procedures to be used to determine engine horsepower load during sampling period.

The purpose for the pretest meeting is to review and formalize the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, to identify each operating parameter which is significant to maintaining emission

compliance and to review the format procedures for submitting the test reports. The TCEQ Regional Director or the TCEQ OCE, Compliance Support Division must approve any deviation from specified sampling procedures.

B. Air emissions from the Refrigeration Compressor Turbines with the duct burners fired (EPNs E-2-1, E-2-2, and E-2-3) to be tested for include (but are not limited to) NO_x, oxygen, CO, VOC, and opacity. One test shall be at full turbine load with duct steam (waste heat recovery boiler limit) and another at minimum turbine load with duct burner fired at a rate to produce 85,000 lb/hr of steam or upper temperature limit of the duct burner.

C Sampling shall occur on one of the refrigeration compressor turbines within 180 days after issuance of this permit. If the turbine tested exceeds any emission limits of this permit, then all refrigeration compressor turbines shall be tested within 60 days of the initial turbine test as specified in Special Condition No. 7D. Sampling shall be performed on alternating refrigeration compressor turbines every three years or as requested by the EPA or Executive Director of the TCEQ.

D. The refrigeration compressor turbine being sampled shall operate at full load in conjunction with the duct burner fired at a rate to produce 85,000 lb/hr of steam or upper temperature limit of the duct burner during stack emission testing. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

If the compressor turbines are required to operate at loads more that 10 percent above or below the load range tested, the company must notify, in writing, the appropriate TCEQ Regional Office, and the source may be subject to additional sampling to demonstrate continued compliance with all applicable state and federal regulations.

E. Copies of the final sampling report shall be forwarded to the offices below within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled "Chapter 14, Contents of Sampling Reports" of the TCEQ Sampling Procedures Manual.

The reports shall be distributed as:

One copy to the TCEQ Regional Office in Midland.
One copy to the TCEQ Austin OCE, Compliance Support Division.
One copy to the Air Enforcement Branch of the EPA in Dallas.

RECORDKEEPING REQUIREMENTS

17. The holder of this permit shall keep records of all supplemental fuel firing rates and auxiliary boiler fuel rates. Records shall be made available to the TCEQ Executive Director upon request.

INCINERATOR OPERATING RESTRICTIONS

18. No more than 50 pounds of wastes, consisting of oil-soaked rags, absorbent pads, and used filters, shall be charged to the incinerator per burn event. No more than 10 pounds of the waste may be composed of filters. The incineration of any other wastes shall require an amendment to this permit.

19. The incinerator shall only burn seven batches of waste per week and is limited to daylight operation only. Daylight operation is defined as that time between one-hour after sunrise and one-hour before sunset.

20. Temperature at the exit of the incinerator shall be continuously monitored and recorded with a thermocouple monitor. When the temperature at the exit of the incinerator falls below 1400°F or when there are visible emissions from the incinerator, the remaining wastes in the unit shall be agitated until the temperature reaches a constant value.

21. Opacity of emissions from the incinerator, as measured by EPA Reference Method 9, must not exceed 5 percent averaged over a six-minute period.

22. When the operator determines that the burn event is complete, the unit shall be capped or quenched such that visible emissions from the incinerator do not persist for a total of more than six minutes.

23. Ash shall be disposed of in a manner that prevents it from becoming airborne.

24. Incinerator operating instructions shall be posted such that they are available for all incinerator operators. A copy of these permit special conditions shall be posted with the operating instructions.

25. The holder of this permit shall maintain an on-site inventory of all thermocouples required to demonstrate compliance and replace these components periodically as recommended by the vendor.

26. The following records shall be maintained in a central location at the facility on a two-year rolling retention basis and be made immediately available at the request of personnel of the TCEQ or any air pollution control agency with jurisdiction.

    Records of hours-of-operation of the incinerator, continuous incinerator exit temperature, and amount and type of waste charged to the incinerator shall be maintained by the holder of this permit. The records shall be retained on-site for a period of not less than two years. All records shall be made available, upon request, to representatives of the TCEQ, EPA or any local air pollution control program having jurisdiction.

Dated March 25, 2008

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8414

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
Inlet/Treated Gas Compressor Turbines (5)				
E-1-1	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.10	79.20
		CO	19.90	91.40
		VOC	0.50	2.20
		PM	0.30	1.31
		SO_2	0.15	0.66
E-1-2	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.10	79.20
		CO	19.90	91.40
		VOC	0.50	2.20
		PM	0.30	1.31
		SO_2	0.15	0.66
E-1-3	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.10	79.20
		CO	19.90	91.40
		VOC	0.50	2.20
		PM	0.30	1.31
		SO_2	0.15	0.66
E-1-4	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.10	79.20
		CO	19.90	91.40
		VOC	0.50	2.20
		PM	0.30	1.31
		SO_2	0.15	0.66

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
E-1-5	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.10	79.20
		CO	19.90	91.40
		VOC	0.50	2.20
		PM	0.30	1.31
		SO_2	0.15	0.66
E-1-6	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.10	79.20
		CO	19.90	91.40
		VOC	0.50	2.20
		PM	0.30	1.31
		SO_2	0.15	0.66
Refrigeration Compressor Turbines (5) with Supplemental Duct Burner Firing (6)				
E-2-1	Refrigeration Compressor A - Turbine with Supplemental Duct Burner	NO_x	71.80	286.30
		CO	55.30	293.30
		VOC	0.90	6.10
		PM	1.75	6.98
		SO_2	0.63	2.70
E-2-2	Refrigeration Compressor B - Turbine with Supplemental Duct Burner	NO_x	71.80	286.30
		CO	55.30	293.30
		VOC	0.90	6.10
		PM	1.75	6.98
		SO_2	0.63	2.70
E-2-3	Refrigeration Compressor C - Turbine with Supplemental Duct Burner	NO_x	71.80	286.30
		CO	55.30	293.30
		VOC	0.90	6.10
		PM	1.75	6.98
		SO_2	0.63	2.70

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
E-3	Auxiliary Boiler (7)	NO_x	7.00	18.00
	65.5 MMBtu/hr	CO	11.00	22.00
		VOC	0.60	1.30
		PM	0.49	1.34
		SO_2	0.04	0.11
EMERFLARE	Plant Flare Pilot (8)	NO_x	0.05	0.24
		CO	0.46	2.02
		VOC	0.04	0.19
EMERFLARE	Plant Flare (9)	NO_x	1.31	0.32
		CO	11.26	2.77
		VOC	9.01	2.19
		SO_2	94.11	23.15
		H_2S	0.98	0.24
FL-1	Emergency Field Flare (8)	NO_x	0.01	0.05
		CO	0.09	0.40
		VOC	0.01	0.04
FUG1	Plant Piping Fugitives (4)	VOC (10)	4.42	19.34
		VOC (11)	25.52	111.74
		H_2S	0.73	3.20
E-6	Drum Mounted Incinerator	PM	0.15	0.10
		VOC	0.07	0.10
		CO	0.35	0.10

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources use area name or fugitive source name.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO_2 - sulfur dioxide
H_2S - hydrogen sulfide
PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Turbine lb/hr limits are based on worst conditions (100°F ambient) and ton per year (tpy) limits are based on average conditions (60°F ambient).

(6) Duct Burner lb/hr limits are based on maximum firing rate of 84.7 MMBtu/hr and tpy limits are based upon firing rate of 63.3 MMBtu/hr.

(7) Auxiliary boiler limits are based upon manufacturer's data.

(8) Pilot gas emissions only.

(9) Emissions from maintenance, start-up, and shutdown (MSS) activities as authorized in Special Condition No. 15. Authorized are only emissions associated with burning inlet gas when MSS occurs.

(10) Fugitive emissions after implementation of Special Condition No. 10.

(11) Fugitive emissions before implementation of Special Condition No. 10.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

** Compliance with annual emission limits is based on a rolling 12-month period

_____ Hrs/day _____ Days/week _____ Weeks/year or 8,760 Hrs/year

Dated March 25, 2008

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT

A PERMIT IS HEREBY ISSUED TO
Hess Corporation
AUTHORIZING THE CONTINUED OPERATION OF
Sulfur Recovery Units
LOCATED AT **Seminole, Gaines County, Texas**
LATITUDE 32° 45′ 34″ LONGITUDE 102° 41′ 56″

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code § 116.116 (30 TAC § 116.116)]

2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least10 percent of the estimated total cost of the project up to a maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120(a), (b) and (c)]

3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]

4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify to the Office of Permitting and Registration the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]

5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]

7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)]

9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with §§ 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.115(b)(2)(G)]

10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]

11. This permit may be appealed pursuant to 30 TAC § 50.139.

12. This permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]

13. There may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]

14. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in TCAA § 382.003(3) or violate TCAA § 382.085, as codified in the Texas Health and Safety Code. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.

Permit Numbers: 9235 and PSD-TA-485MI

Date: January 20, 2009

For the Commission

SPECIAL CONDITIONS

Permit Numbers 9235 and PSD-TX-485M1

EMISSION STANDARDS

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating requirements specified in the special conditions.

2. All acid gas and tail gas from this plant must be processed in a sulfur recovery plant and tail gas incinerator (TGI), respectively, approved by the Executive Director of the Texas Commission on Environmental Quality (TCEQ). It is not permissible under any conditions to vent the waste gas directly to the atmosphere. Planned maintenance, start-up, and shutdown (MSS) activities and emissions are not authorized by this special condition. **(PSD)**

3. Each tail gas incinerator (TGI) firebox temperature shall be no less than 1300°F. Each TGI firebox temperature shall be monitored continuously when waste gas is directed to it. Each temperature measurement device shall monitor the temperature at least four equally spaced times each hour and the hourly average shall be recorded. The hourly average temperature shall be used to determine compliance with each minimum temperature requirement from each TGI firebox. Each temperature monitor shall be installed, calibrated at least annually and maintained according to the manufacturer's specifications. Each device shall have an accuracy of the greater of ±2 percent of the temperature being measured expressed in degrees Celsius or ±2.5ºC. There shall be no visible emissions from each TGI stack. **(PSD) (4/09)**

4. The minimum sulfur recovery efficiency for this permit unit shall be 98.5 percent. **(PSD)**

5. Waste gas from process point sources (such as process vents and relief valves) containing hydrocarbons or sulfur compounds, except for analyzer vents, shall be directed to a flare, incinerator or recovery system (which will operate with no less than 95.0 percent efficiency in disposing of or recovering the waste gas) during normal operation. Planned MSS activities and emissions are not authorized by this special condition.

INITIAL DETERMINATION OF COMPLIANCE

6. Sampling ports and platform(s) shall be incorporated into the design of each TGI stack according to the specifications set forth in the enclosure entitled "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the Executive Director of the TCEQ. **(PSD)**

7. For the plant performance test, the holder of this permit shall perform stack sampling and other testing as required to establish the quantities of air contaminants being emitted into the atmosphere from the TGI stack and the sulfur recovery efficiency. Sampling must be conducted in accordance with appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with applicable U.S. Environmental Protection Agency Code of Federal Regulations procedures. Any deviations from those procedures must be approved by the TCEQ Executive Director or appropriate TCEQ Regional Air Manager prior to sampling. The TCEQ Executive Director or designated representative shall be afforded the opportunity to observe all such sampling. The sampling was most recently completed in January 2009. **(PSD) (4/09)**

   A. Air contaminants to be tested from the TGI stack for include (but are not limited to) hydrogen sulfide (H_2S), sulfur dioxide (SO_2), sulfur trioxide (SO_3), carbonyl sulfide (COS), carbon disulfide (CS_2), O_2, nitrogen oxides (NO_x), volatile organic compounds (VOC), particulate matter (PM), and carbon monoxide (CO).

   B. Sampling shall occur within 60 days after start-up of the first train of the sulfur recovery unit.

   C. The TCEQ shall be notified 30 days prior to sampling in such a manner that a representative of the Commission may be present during sampling and the notice shall include:

      (1) Date sampling will occur.
      (2) Name of firm doing sampling.
      (3) Type of sampling equipment to be used.
      (4) Method or procedure to be used in sampling

   D. Within 60 days after the date of testing, one copy of the report shall be forwarded to the applicable TCEQ Regional Office.

   E. Performance test results shall include the date of sampling, flow rate, and composition of the acid gas and TGI stack streams, total sulfur rates determined and calculations demonstrating sulfur recovery efficiency. Acid gas stream analysis shall include (but is not limited to) H_2S, CS_2, and COS. TGI stack gas composition analysis shall include (but is not limited to) H_2S, SO_3, SO_2, CS_2, COS, O_2, NO_x, VOC, PM, and CO. Continuous O_2 monitoring data should also be reported for this test period.

F. The sulfur recovery efficiency shall be determined with calculation as follows:

$$\text{Efficiency} = \frac{(\text{S recovered})*(100)}{(\text{S in acid gas})}$$

Where: Efficiency = sulfur recovery efficiency, percent
S recovered = total sulfur recovered, lbs/hr
S in acid gas = total sulfur in acid gas stream, lbs/hr

Total sulfur recovered shall be calculated as follows:

S recovered = S in acid gas - S in incinerator stack
S in incinerator stack = total sulfur in TGI stack, lbs/hr

G. Future sulfur plant performance testing conducted subsequent to the initial performance test shall include (but is not limited to) one or more of the following air contaminants: H_2S, SO_2, O_2, NO_x, VOC, PM, and CO.

CONTINUOUS DEMONSTRATION OF COMPLIANCE

8. The concentration of O_2 in the TGI stack shall be continuously monitored and recorded. The hourly average O_2 concentration shall be used to determine compliance with the in stack concentration requirement. The O_2 continuous monitoring system shall be subjected to quality assurance procedures as specified by the TCEQ Executive Director. These procedures shall, as a minimum, include performance testing according to Performance Specification No. 3 in Title 40 CFR Part 60, Appendix B, and daily zero and span of the analyzer. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days, unless the monitor is required by a subpart of New Source Performance Standards or National Emission Standards for Hazardous Air Pollutants, in which case zero and span shall be done daily without exception. The monitoring data shall be made readily available to the TCEQ Executive Director or his designated representative upon request. **(PSD)**

   The in-stack concentration of oxygen (O_2) from the TGI shall be no less than 1 percent and no greater than 12 percent by volume.

9. For ongoing monitoring of compliance with Special Condition No. 4, an average sulfur recovery efficiency at the plant shall be calculated for each week as follows: **(PSD)**

$$\text{Efficiency} = \frac{(\text{S recovered})*(100)}{(\text{S recovered} + \text{S emitted})}$$

Where: Efficiency = sulfur recovery efficiency, percent.
S recovered = total weight of sulfur recovered that week.
S emitted = total weight of sulfur emitted from the sulfur recovery unit incinerator stacks that week.

Total sulfur recovered shall be calculated by adding the total weight of sulfur removed from the sulfur pits during the week to the change in the weight of the sulfur pits' inventory since the previous week's ending inventory.

Total sulfur emitted shall be calculated by using the SO_2 emissions data recorded by the continuous emissions monitoring system (total SO_2 emitted per week multiplied by 0.50 equals total sulfur emitted per week).

Any time the calculated efficiency averaged for four consecutive weeks is below 98.5 percent, the company must notify the TCEQ Executive Director in writing and propose a plan to improve efficiency. The source may be subject to additional stack sampling to demonstrate continued compliance with all applicable state and federal regulations.

10. The permit holder shall install, calibrate, maintain and operate a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of SO_2 from Emission Point Nos. (EPNs) E4-A and E4-B. **(PSD)**

    A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60), Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Permitting and Registration, Air Permits Division for requirements to be met.

    B. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:

(1) The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.

(2) The system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

Each monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is **not** required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

All CGA exceedances of $\pm$15 percent accuracy indicate that the CEMS is out of control.

C. The monitoring data shall be reduced to hourly average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of pounds per hour at least once every day using the measured hourly average SO_2 concentration and the measured stack flow.

D. All monitoring data and quality-assurance data shall be maintained by the source. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.

F. Quality-assured (or valid) data must be generated when each sulfur recovery unit is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that each sulfur recovery unit is operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager.

RECORDKEEPING REQUIREMENTS

11. The holder of this permit shall keep records of O_2 concentration in the TGI stack, all gas processing rates, heater fuel rates, sulfur production rates, and H_2S content of these streams. All records shall be kept on-site in a current and complete condition and shall be made available upon request to TCEQ representatives. All records shall be retained for at least two years from the date upon which they were made.

12. The following requirements apply to the TGI designated as EPNs E4-A and E4-B.

A. If used to control pollutants like SO_2, either:

(1) Conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system; or

(2) Once a year, verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.

B. The control device shall not have a bypass.

or

If there is a bypass for the control device, comply with either of the following requirements:

(1) Install a flow indicator that records and verifies zero flow at least once every fifteen minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

(2) Once a month, inspect the valves, verifying the position of the valves and the condition of the car seals prevent flow out the bypass.

A deviation shall be reported if the monitoring or inspections indicate bypass of the control device.

C. If any of the above inspections is not satisfactory, the permit holder shall promptly take necessary corrective action.

Dated April 6, 2009

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9235 and PSD-TX-485M1

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY (4)
E4-A	Tail Gas Incinerator (4) Sulfur Recovery Unit No. 1	CO	200.0	876.0
		H_2S	0.6	2.6
		NO_x	1.5	6.6
		PM/PM_{10}	1.0	4.4
		SO_2	300.0	508.0
		VOC	0.3	1.3
E4-B	Tail Gas Incinerator (4) Sulfur Recovery Unit No. 2	CO	200.0	876.0
		H_2S	0.6	2.6
		NO_x	1.5	6.6
		PM/PM_{10}	1.0	4.4
		SO_2	300.0	508.0
		VOC	0.3	1.3
E5-A	Train No. 1 Sulfur Storage Pit	H_2S	1.12	4.91
E5-B	Train No. 2 Sulfur Storage Pit	H_2S	1.12	4.91

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources use area name or fugitive source name.
(3) CO - carbon monoxide
H_2S - hydrogen sulfide
NO_x - total oxides of nitrogen
PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
(4) CO and SO_2 are subject to PSD-TX-485M1.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated April 6, 2009

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

July 3, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED: P 105 235 892

Rec'd JTL 7-12-90
cc: Gib Miller
Mandeep Singh

Mr. Joe T. Lynch, P.E.
Plant Manager
Amerada Hess Corporation
P. O. Box 1570
Seminole, Texas 79360

Subject: Permit PSD-TX-328M-3

Dear Mr. Lynch:

This letter is in response to your request for a modification of the permit, PSD-TX-328M-2, authorizing the construction of an injection gas processing plant located on State Highway 214, approximately four miles northwest of Seminole, Gaines County, Texas.

Under our PSD delegation agreement with the State of Texas, the TACB has been delegated the authority for the technical review of PSD permit modification requests, whereas EPA has maintained modified permit issuance authority. Having reviewed your request and made a preliminary determination of approval, the TACB has recommended that the permit be modified in accordance with your request. We have reviewed the information supplied by the State agency, and we accept their recommendation.

A copy of the modified permit, PSD-TX-328M-3, is enclosed. If you have any questions concerning this permit, please contact Ms. Tanya Murray of my staff at (214) 655-2181.

Sincerely yours,

Robert E. Hannesschlager, P.E.
Acting Director
Air, Pesticides & Toxics Division (6T)

Enclosure

cc: Mr. Steven N. Spaw, P.E.
Executive Director
Texas Air Control Board

Mr. Charley Sims
Region 6 Director
Texas Air Control Board

ATTACHMENT A

In approving this permit, the Environmental Protection Agency has determined that the application complies with the applicable provisions of the stack height regulations as revised by the EPA on July 8, 1985 (50 FR 27892). Portions of the regulations have been remanded by a panel of the U.S. Court of Appeals for the D.C. Circuit in NRDC v. Thomas, 838 F. 2d 1224 (D.C. Cir. 1988). Consequently, this permit may be subject to modification if and when the EPA revises the regulation in response to the court decision. This may result in revised emission limitations or may affect other actions taken by the source owners or operators.

PSD-TX-328M-3

MODIFICATION TO PREVENTION OF SIGNIFICANT DETERIORATION
PERMIT NUMBER PSD-TX-328M-2

In accordance with the provisions of the Clean Air Act, as amended, 42 U.S.C. 7475 and 40 CFR 52.21, as amended August 7, 1980, PSD-TX-328M-2 permit, issued to

Amerada Hess Corporation
Post Office Box 2040
Tulsa, Oklahoma 74102

as authorization to construct an injection gas processing plant approximately four miles northwest of

Seminole
Gaines County, Texas

is modified. Amerada Hess Corporation is subject to the emission limitations, monitoring requirements and other conditions set forth hereinafter.

The modification to the existing permit shall become effective on July 3, 1990, unless a petition to the Administrator for review of the modified permit is filed in accordance with the requirements of 40 CFR 124.19.

The effective date of the original permit was June 14, 1981. This permit and the authorization to construct was to expire at midnight on December 14, 1983, unless physical on-site construction had begun by such date or binding agreements or contractual obligations to undertake a program of construction of the source had been entered into by such date.

Modified this 3 day of July, 1990.

Mr. Robert E. Hannesschlager, P.E.
Acting Director
Air, Pesticides and Toxics Division
United States Environmental
Protection Agency, Region 6

GENERAL PROVISIONS

PSD-TX-328M-3

1. Equivalency of Methods It shall be the responsibility of the holder of this permit to demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods and monitoring methods proposed as alternatives to methods indicated in the provisions of this permit. Alternative methods shall be applied for in writing and shall be reviewed and approved by the Executive Director prior to their use in fulfilling any requirements of this permit.

2. Sampling Requirements If sampling of stacks or process vents is required, the holder of this permit must contact the Quality Assurance Division of the Texas Air Control Board (TACB) prior to sampling to obtain the proper data forms and procedures. The holder of this permit is also responsible for providing sampling facilities and conducting the sampling operations at his own expense.

3. Construction Progress Start of construction, construction interruptions exceeding 45 days, completion of construction and start-up shall be reported to the TACB not later than 10 working days after occurrence of the event.

4. Recordkeeping Information concerning production, operating hours, fuel type and fuel sulfur content, if applicable, shall be maintained at the plant site and made available at the request of personnel from the TACB, the local air pollution control program or the Environmental Protection Agency.

SPECIAL PROVISIONS

PSD-TX-328M-3

EMISSION STANDARDS AND FUEL SPECIFICATIONS

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in the attached table.

2. These facilities shall comply with all requirements of Environmental Protection Agency (EPA) Regulations on Standards of Performance for New Stationary Sources promulgated for stationary gas turbines in Title 40 Code of Federal Regulations Part 60 (40 CFR 60), Subparts A and GG.

3. Emissions of nitrogen oxides (NO_x) from the refrigeration turbine duct burners and auxiliary boiler shall not exceed 0.12 lb/MMBtu of heat input. Turbine supplemental duct burner and auxiliary boiler firing will be calculated based on the gross heating value of the natural gas. The duct burner is limited by the 85,000 lb/hr of steam capacity of the waste heat recovery boiler.

4. Fuel fired in the gas turbines and duct burners is limited to pipeline quality natural gas containing no more than 0.25 grains total sulfur per 100 dscf.

5. Emissions from the turbines and duct burners shall not exceed five percent opacity as determined by EPA Reference Method 9.

6. All acid gas or other waste gas from this facility must be processed in a sulfur recovery plant, flare or incinerator approved by the Executive Director of the TACB. It is not permissible under any conditions to vent the waste gas directly to the atmosphere.

INITIAL DETERMINATION OF COMPLIANCE

7. Within 60 days after replacement of the refrigeration turbine combustors with low emission combustors, the holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from at least two of the three refrigeration compressor turbines and duct burners. The selection of turbines and duct burners is at the

discretion of the TACB. If any turbine which is tested exceeds any emission limit of this permit, then all turbines shall be tested for an exceedance of such emission limit(s). Sampling must be conducted in accordance with appropriate procedures of the TACB Sampling Procedures Manual and in accordance with EPA Reference Method 9 for opacity [consisting of 30 six-minute readings as provided in 40 CFR 60.11(b)], Reference Method 10 for the concentration of carbon monoxides (CO), Reference Method 20 for the concentrations of NO_x and oxygen and Reference Method 25A for volatile organic compounds (VOC). The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operation at his expense.

A. The TACB Regional Office in Odessa shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

1. Date for pretest meeting.
2. Date sampling will occur.
3. Name of firm conducting sampling.
4. Type of sampling equipment to be used.
5. Method or procedure to be used in sampling.
6. Procedures to be used to determine engine horsepower load during sampling period.

The purpose of the pretest meeting is to review and formalize the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, to identify each operating parameter which is significant to maintaining emission compliance and to review the format procedures for submitting the test reports.

A written proposed description of any deviation from sampling procedures specified in this permit provision or any TACB or EPA sampling procedures shall be made available to the TACB at or prior to the pretest meeting. The Regional Director or the Director of the Quality Assurance Division and the EPA in Dallas shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in Paragraph B of this provision shall be submitted to the TACB Permits Division. Test

waivers and alternate/equivalent procedure proposals for New Source Performance Standard testing which must have EPA approval shall be submitted to the TACB Quality Assurance Division in Austin. Any equivalent test procedures or any test waivers must be approved by both the TACB and EPA prior to the date required in Special Provision 7D for conducting the tests.

B. Air emissions from the gas turbines to be tested for with the duct burners fired include (but are not limited to) NO_x, oxygen, CO, VOC and opacity. One test shall be at full turbine load with duct burner fired at a rate to produce 85,000 lb/hr of steam (waste heat recovery boiler limit) and another at minimum turbine load with duct burner fired at a rate to produce 85,000 lb/hr of steam or upper temperature limit of the duct burner.

C. NO_x, oxygen and CO from the turbines alone shall be sampled concurrently at three turbine loads, including the minimum point in the normal operating range and the peak load for the atmospheric conditions occurring during the test.

D. Sampling shall occur within 60 days after completion of the low emission combustor retrofit project. Additional sampling shall occur as may be required by the TACB or the EPA.

E. Within 60 days after the completion of the testing and sampling required herein, three copies of the sampling report shall be distributed as follows:

One copy to the TACB Regional Office in Odessa.
One copy to the Permits Division, TACB Austin Office.
One copy to the Air Enforcement Branch of EPA in Dallas.

8. If the compressor turbines are required to operate at loads more than 10 percent above or below the load range tested, the company must notify, in writing, the appropriate regional office of the TACB; and the source may be subject to additional sampling to demonstrate continued compliance with all applicable state and federal regulations.

RECORDKEEPING REQUIREMENTS

9. The holder of this permit shall keep records of all supplemental fuel firing rates and auxiliary boiler fuel rates. Records shall be made available to the Executive Director of the TACB or EPA upon request.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

PSD-TX-328M-3

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

		AIR CONTAMINANTS DATA		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* #/hr	TPY
Inlet/Treated Gas Compressor Turbines (4)				
E-1-1	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.1	79.2
		CO	19.9	91.4
E-1-2	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.1	79.2
		CO	19.9	91.4
E-1-3	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.1	79.2
		CO	19.9	91.4
E-1-4	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.1	79.2
		CO	19.9	91.4
E-1-5	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.1	79.2
		CO	19.9	91.4
E-1-6	Inlet/Treated Gas Compressor Allison 501-KC5	NO_x	19.1	79.2
		CO	19.9	91.4
Refrigeration Compressor Turbines (4)				
E-2-1	Refrigeration Compressor Rolls Royce Avon Model 1535	NO_x	61.6	253.0
		CO	52.2	283.0
E-2-2	Refrigeration Compressor Rolls Royce Avon Model 1535	NO_x	61.6	253.0
		CO	52.2	283.0
E-2-3	Refrigeration Compressor Rolls Royce Avon Model 1535	NO_x	61.6	253.0
		CO	52.2	283.0

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* #/hr	TPY
Supplemental Duct Burner Firing (5)				
E-2-1	Refrigeration Compressor	NO_x	10.2	33.3
	Duct Burner	CO	3.1	10.3
E-2-2	Refrigeration Compressor	NO_x	10.2	33.3
	Duct Burner	CO	3.1	10.3
E-2-3	Refrigeration Compressor	NO_x	10.2	33.3
	Duct Burner	CO	3.1	10.3
Auxiliary Boiler (6)				
E-3	Auxiliary Boiler	NO_x	7.0	18.0
	65.5 MMBtu/hr	CO	11.0	22.0

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name.
(3) NOx - total oxides of nitrogen
CO - carbon monoxide
(4) Turbine lb/hr limits are based on worst conditions (100°F ambient) and ton/yr limits are based on average conditions (60°F ambient)
(5) Duct Burner lb/hr limits are based on maximum firing rate of 84.7 MMBtu/hr and ton/yr limits are based upon average firing rate of 63.3 MMBtu/hr
(6) Auxiliary Boiler limits are based upon manufacturer's data

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8760